

## CONTACT

✉ albertoursino98@gmail.com

🐙 GitHub profile [link](#)

in LinkedIn profile [link](#)

💻 Personal website [link](#)

## ABOUT ME

### Software Engineering

### Machine Learning Engineering

### Web Development

### Data Engineering

### Data Analysis

### Android Development

### Tools

Linux, VSCode, Git, Poetry, pre-commit, Fork, DVC, LaTeX

### Programming languages

Python, Java, C++, JavaScript, HTML

### Work style

I love writing code. I feel comfortable working in a team, but also alone. I find the agile software development to be the most effective approach for my work.

### Looking for

Hybrid or remote job from anywhere, with a preference for Portugal, Austria, Germany, and Switzerland. I would like to improve my coding skills and participate in interesting projects.

# ALBERTO URSINO

Junior Software Engineer

## EDUCATION

Master's degree in Computer Engineering  
University of Padua, Italy

2021 - 2024

Certification on .Bestr [link](#)

Bachelor's degree in Computer Engineering  
University of Padua, Italy

2017 - 2021

Certification on .Bestr [link](#)

Scientific high school diploma  
Liceo Primo Levi of Montebelluna, Italy

2012 - 2017

## WORK EXPERIENCE

Machine Learning Engineering Intern  
Infineon Technologies - Villach, Austria

6 months

01.12.2023 → 31.05.24. I worked in a data science team and my goal was to refactor and adapt a ML pipeline within an Infineon internally developed AI framework. The pipeline has several stages, and it aims to train a CNN in classifying defects from wafer test images. I coded with **Python** and widely used **Git**, **DVC** and **TensorFlow**.

Data Engineering Intern  
Infineon Technologies - Villach, Austria

3 months

01.09.2023 → 31.11.23. I worked in a data science team and my assignments were to explore and implement new methods to enhance the communication and data exchange among different software components. I coded in **Python** and widely used **Git** and **Pandas**. I also worked with **OpenShift** and developed parts of an **API**.

Data Analysis Intern  
Swegon Operations Srl - Cantarana di Cona, Italy

7 months

23.03.2023 → 27.10.2023. University internship on which I wrote my Master's thesis. I was supervised by Prof. Fabio Vandin, and our goal was to investigate the feasibility of introducing anomaly detection in heat pump machines. In particular, we designed a ML pipeline to train a clustering model and an outlier detection algorithm for identifying anomalies in a time-series dataset. We coded in **Python** and widely used **Git**, **DVC**, **Pandas**, and **scikit-learn**.

Full Stack Developer  
GloobETF - Montebelluna, Italy

1 year

01.05.22 → 30.04.23. First working experience. I worked as a freelancer for a financial advisor, teaming up with a former university colleague and a project manager. We developed a web application (named *Portafoglio Protetto*) using **Django**. The web app is intended for investors, and aims to provide and recommend high-performance securities, and facilitate the management of a financial portfolio.

# PERSONAL & UNI. PROJECTS

## Personal Website

2024

### Web Development & DevOps

Personal project with the goal of experimenting with **AWS**, since it is required by many jobs as knowledge. I developed the website using **Django** because I already used it for my first working experience. I coded in **Python**, **HTML** and **CSS**, and used **Git**. ([albertoursino.com](https://albertoursino.com)) ([repo](#))

## CLabber

2023

### Innovation & Entrepreneurship

Extracurricular project in collaboration with the University of Padua. "*The Contamination Lab of Veneto is the place where the talent of students, recent graduates, doctoral and post-doctoral students of the University of Padua meets the will of companies to innovate, turning into creative ideas and entrepreneurial solutions.*"

## Soft Skill Listener

2023

### Software Development

Small project carried out during the experience at *Contamination Lab of Veneto* and in collaboration with **UMANA**. The goal was to build an app which uses ChatGPT to identify if a piece of text contains empathy or not. This idea comes from **UMANA**'s goal of simplifying the candidate selection process. We developed in **Java** and **Android Studio**.

## Briscola GUI

2023

### Software Development

Part of a university project carried out in the course "Reinforcement Learning" of my Master's degree. The goal was to build a GUI for the *Briscola* game. I developed in **Python** and exploited the package **Tkinter**. ([repo](#))

## Tennis Matches

2022

### Software Development

Personal project with the goal of developing *TennisMatches*, which is an Android app that allows you to create an opponent's profile and keep track of the tennis matches played with that opponent, specifying the result and much more. I decided to build this app because I wanted to keep track of my statistics and there weren't similar apps in the market. I used **Git**, and developed with **Java** and **Android Studio**. ([repo](#))

## Hands Detection and Segmentation

2022

### Computer Vision

University project carried out in the course "Computer Vision" of my Master's degree. The goal was to apply computer vision techniques to detect and subsequent segment hands in 2D images. I developed using **C++**. ([repo](#))

## Graphs Comparison

2022

### Graph Analysis

University project carried out in the course "Learning from network" of my Master's degree. The goal was to compare two graphs in order to find interesting similarities. We used **Python** and experimented with **NetworkX**. ([repo](#))

**Dog's Pose Estimation**  
**Deep Learning & Computer Vision**

2020

University research project for my Bachelor's thesis. My goal was to train a model to perform the binary segmentation of dogs from 2D movies, and subsequently predict their posture by reconstructing the skeleton from the silhouette. I used **Git** and **Java**, and experimented with **TensorFlow**. ([repo](#))

**RingUp**  
**Software Engineering**

2019

University project carried out in the course "Software Engineering" of my Bachelor's degree. It was my first software development team project. We developed *RingUp*, which is an Android app that allows to make a phone ring even if it is on mute, just by sending a SMS. We widely used **Git**, and developed in **Java** and **Android Studio**. ([repo](#))

## **CERTIFICATIONS**

**Safety Course - High Risk Class**  
**University of Padua**

23 Nov 2022

**English B2 - Speaking**  
**University of Padua**

15 Sept 2022

Certification on .Bestr [link](#)

**English B2 - Reading and Listening**  
**University of Padua**

29 June 2020

Certification on .Bestr [link](#)